

FIG. 1

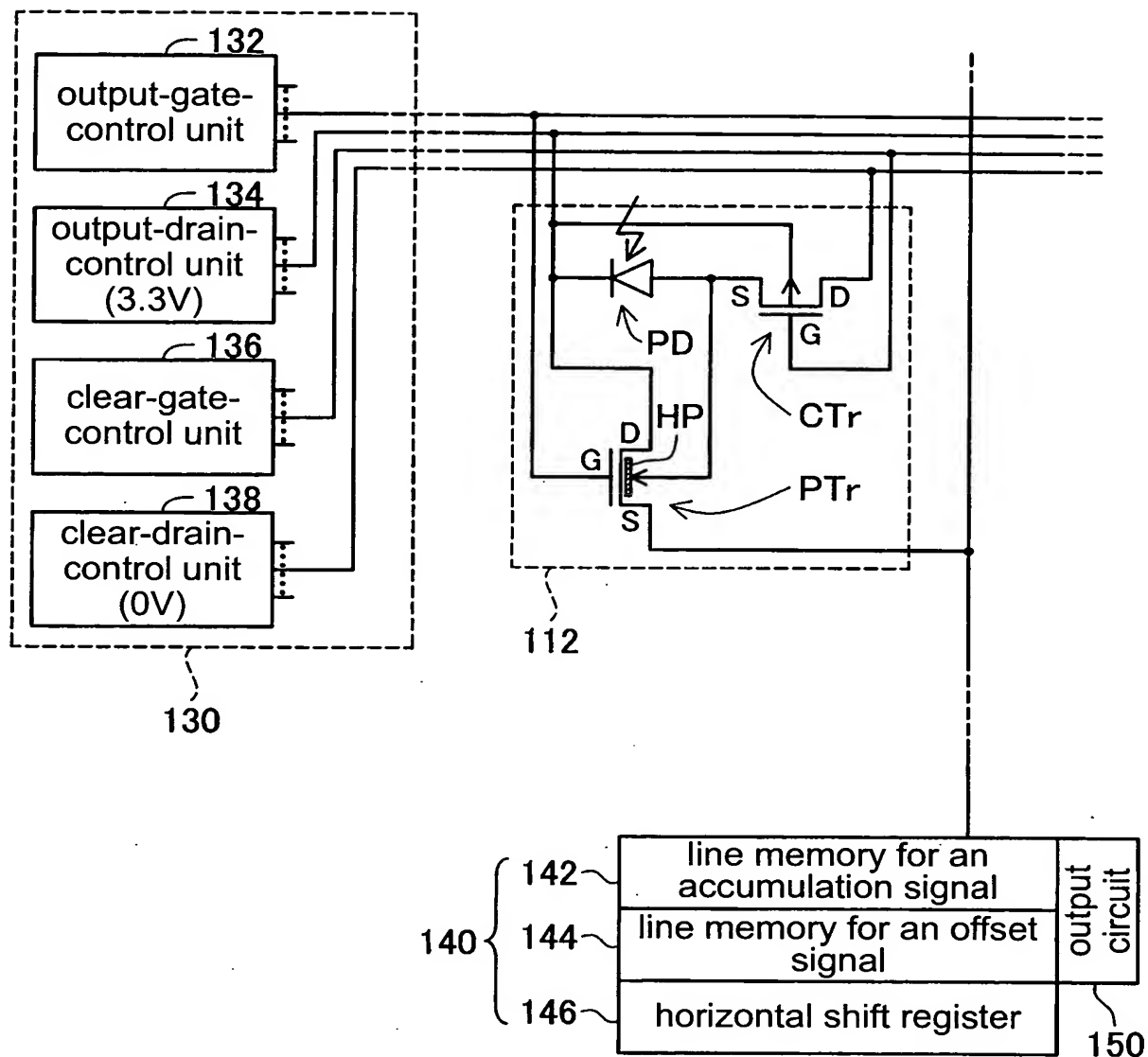


FIG. 2

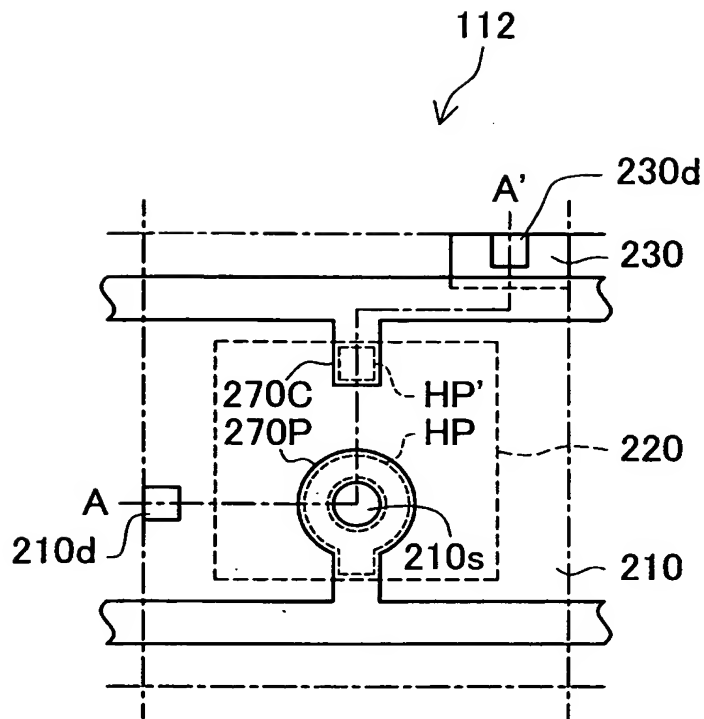


FIG. 3

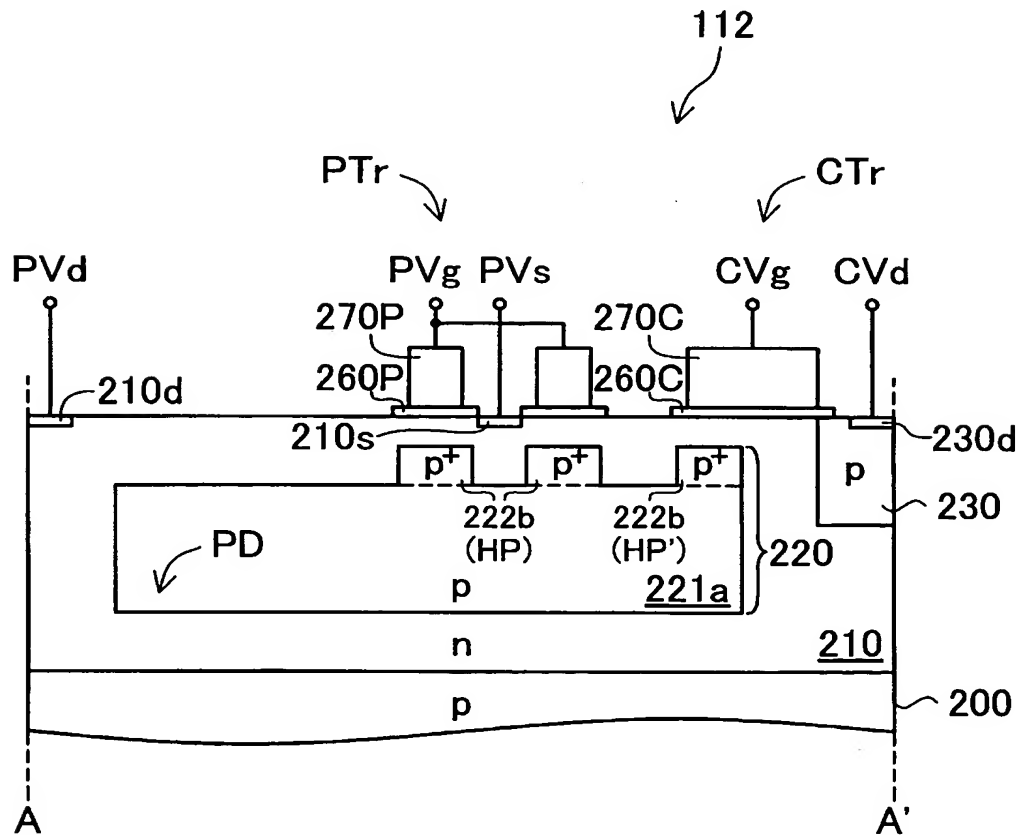


FIG. 4

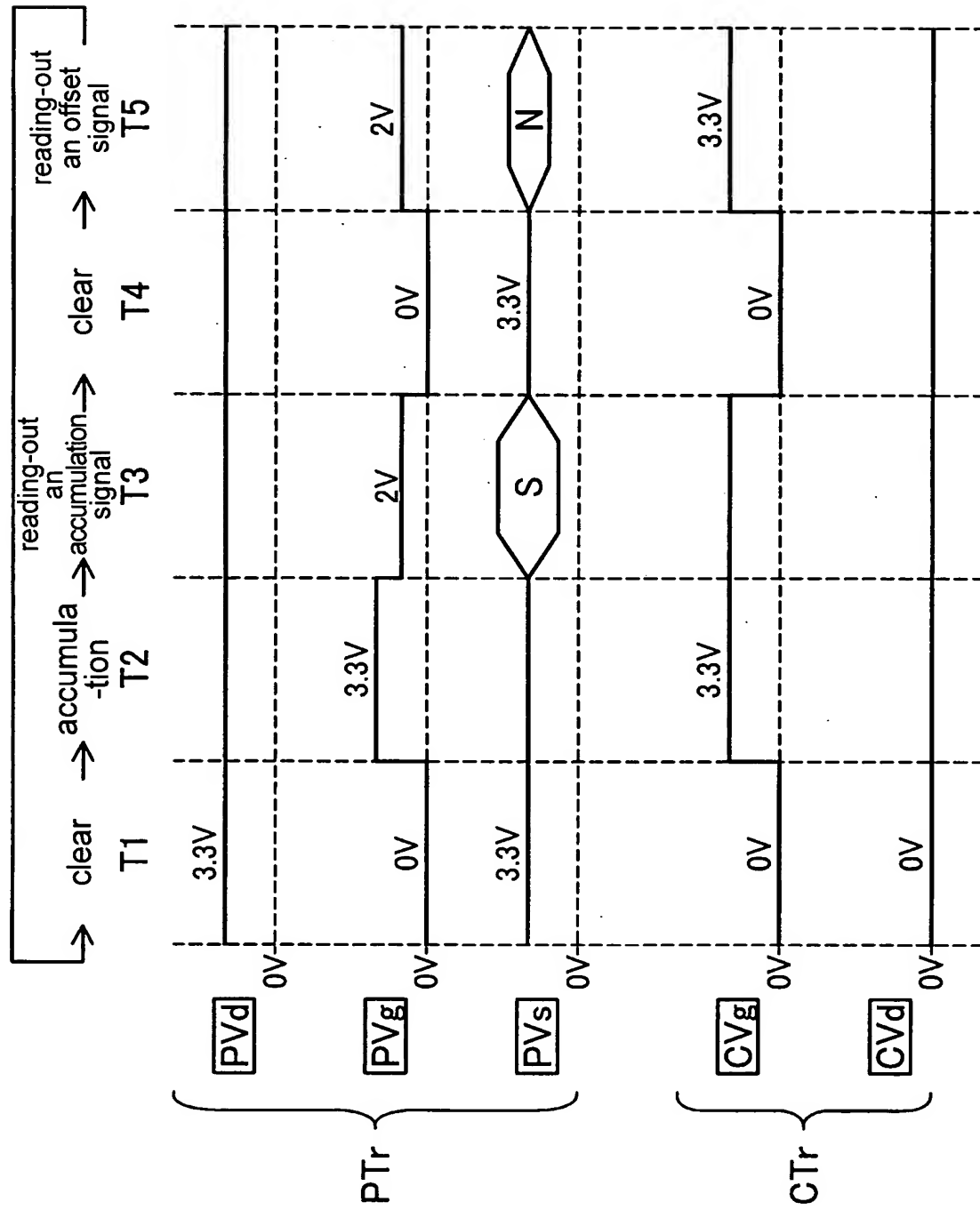


FIG. 5

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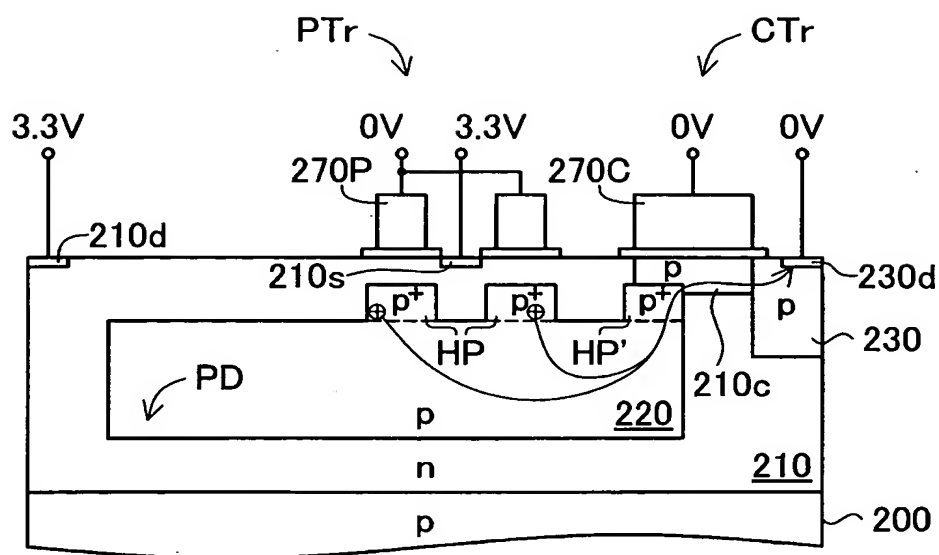


FIG. 6

112

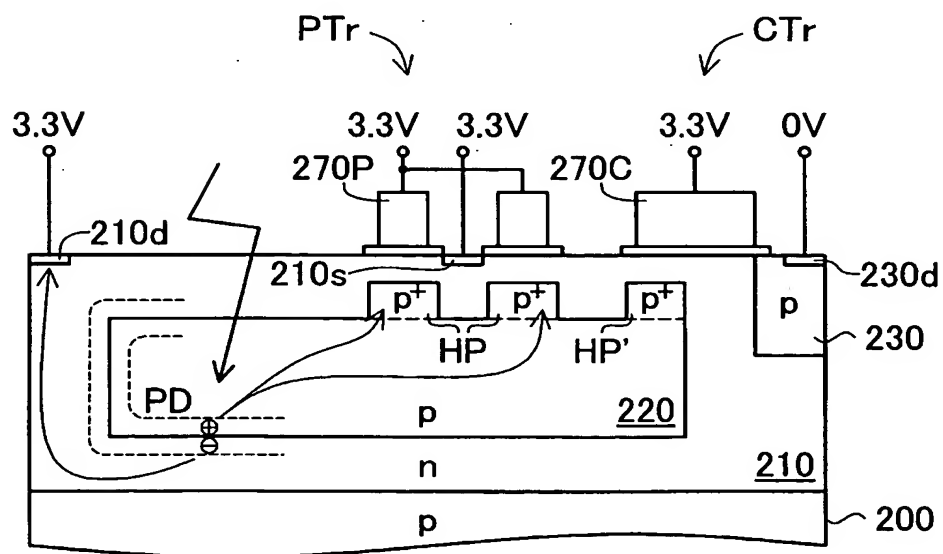


FIG. 7

reading-out period

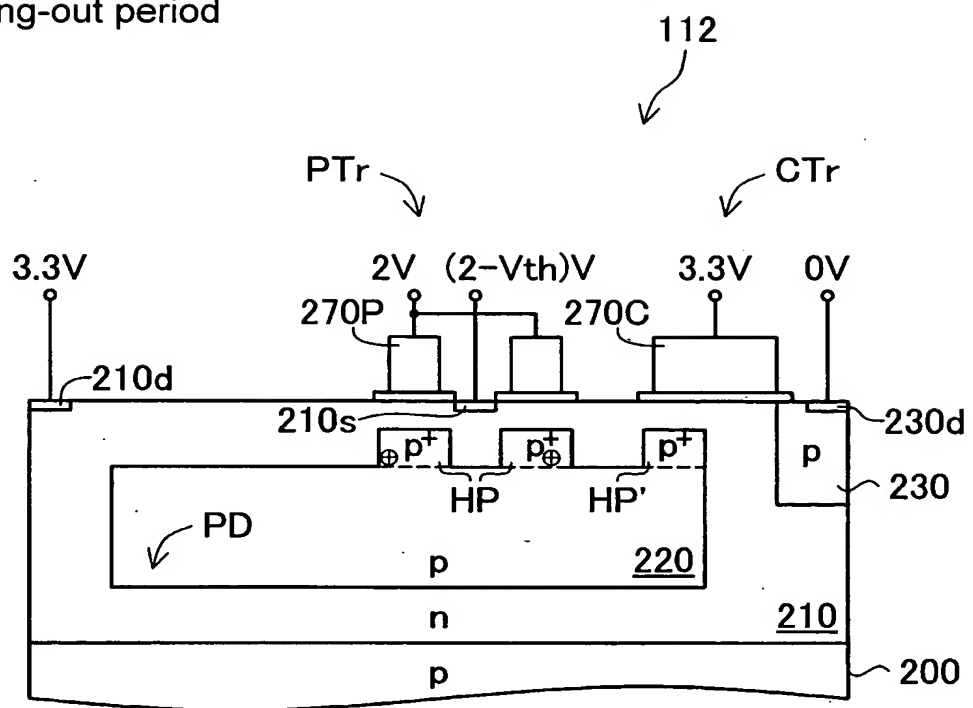


FIG. 8

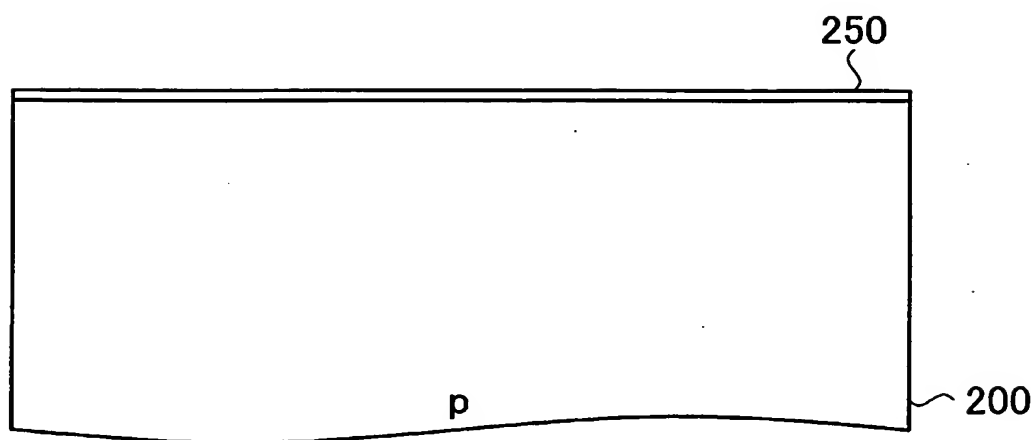


FIG. 9A

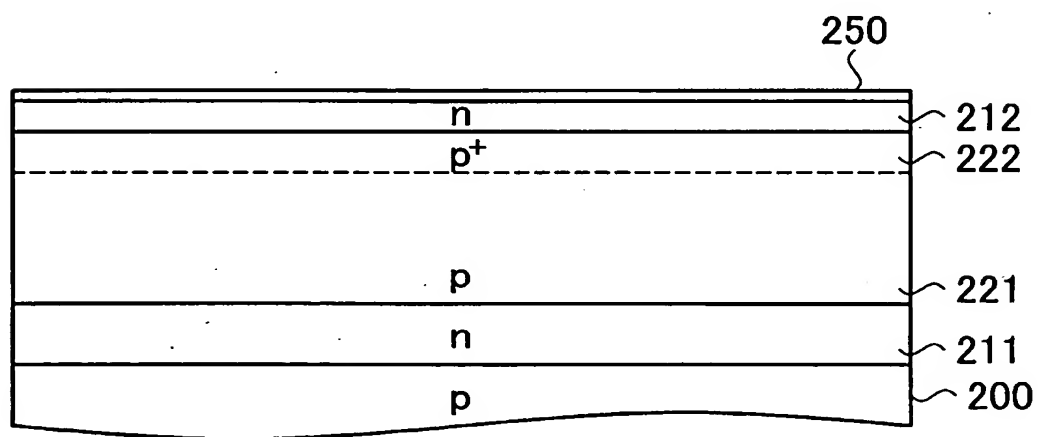


FIG. 9B

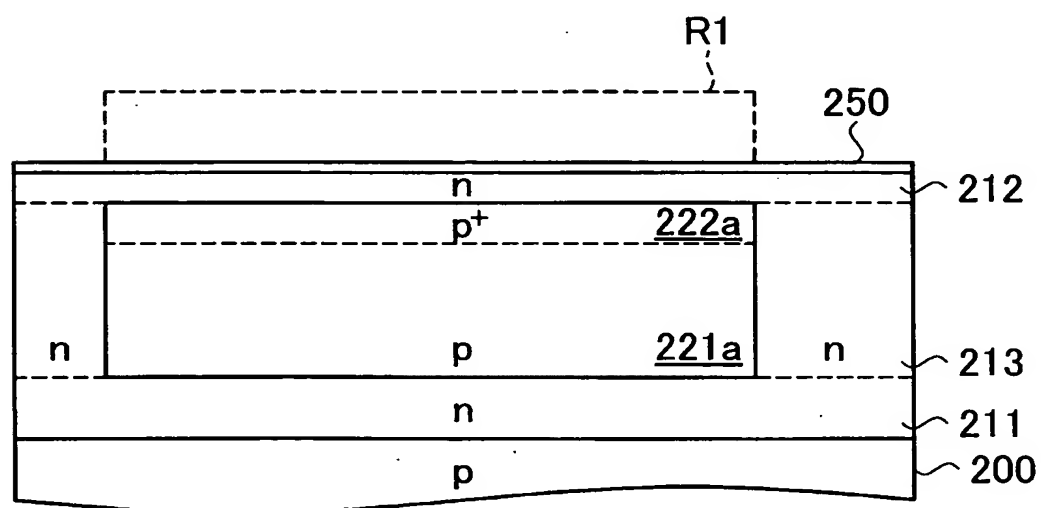


FIG. 9C

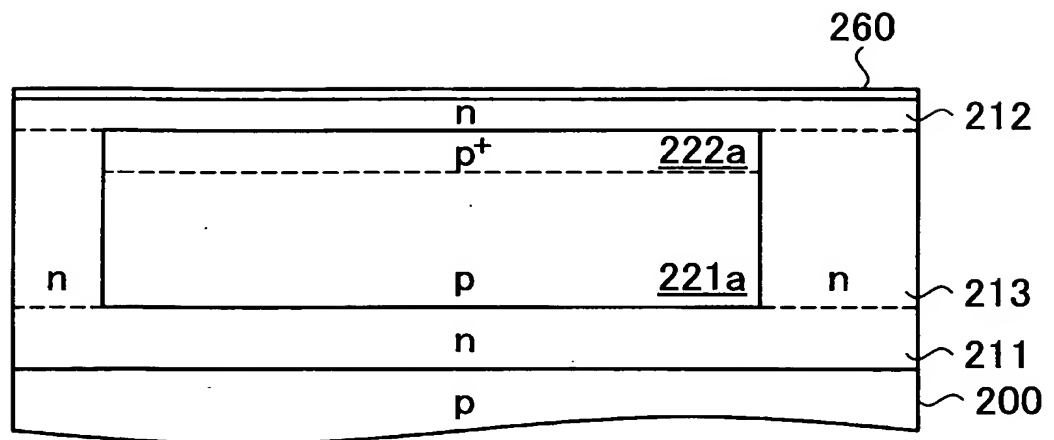


FIG. 10A

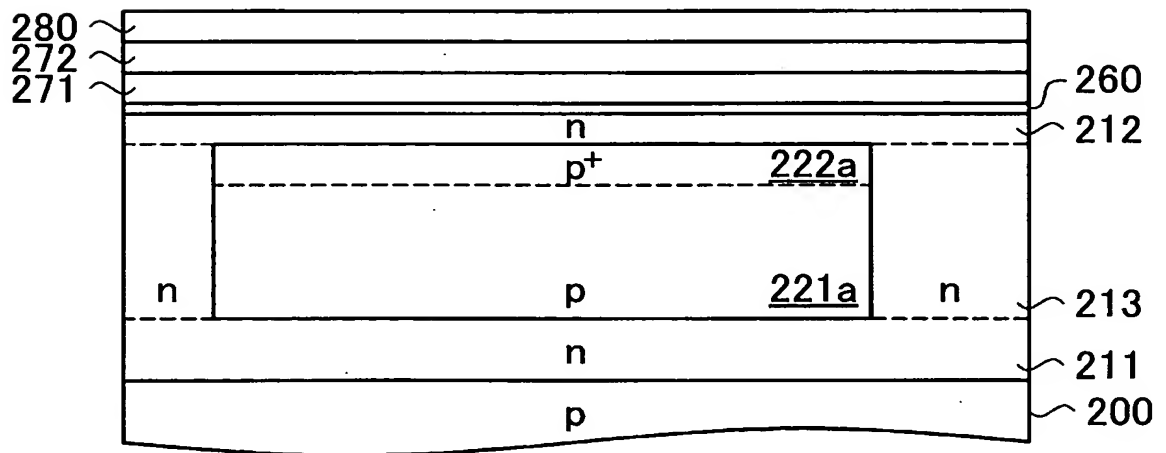


FIG. 10B

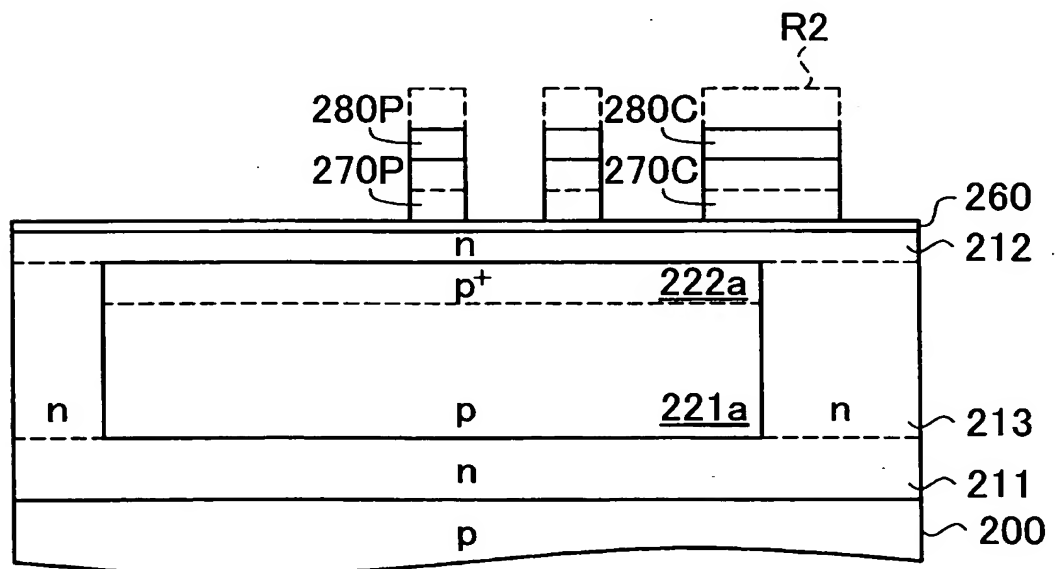


FIG. 10C



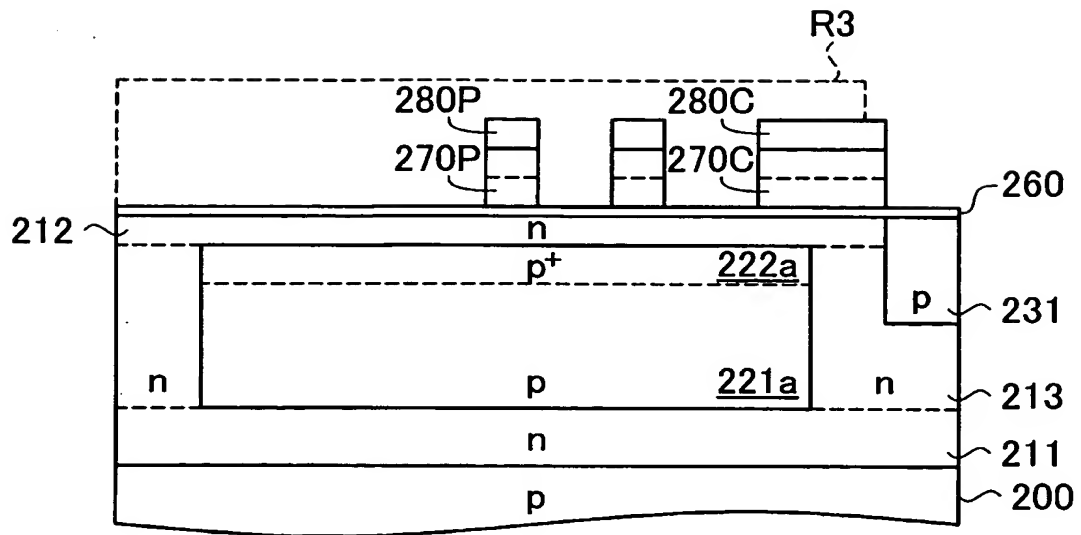


FIG. 11A

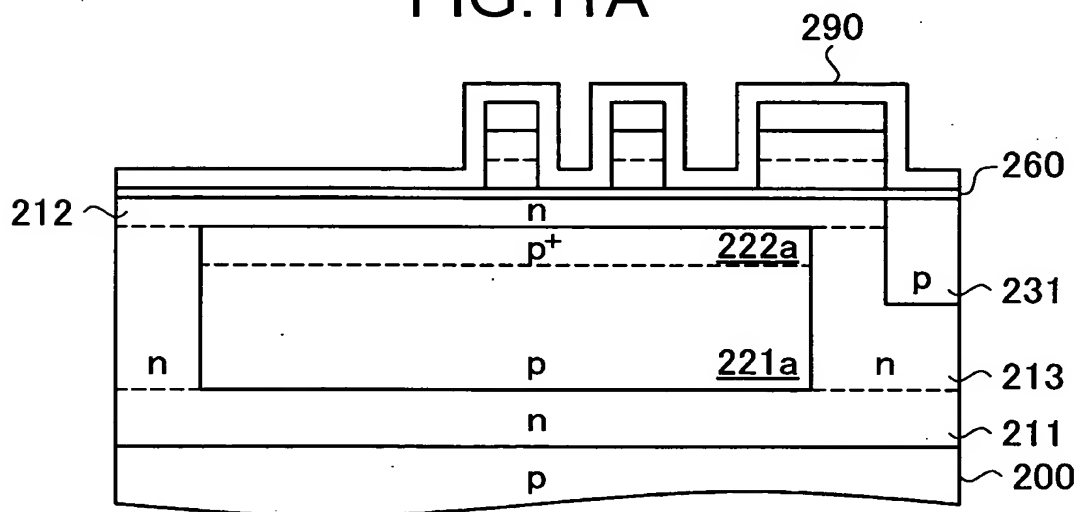


FIG. 11B

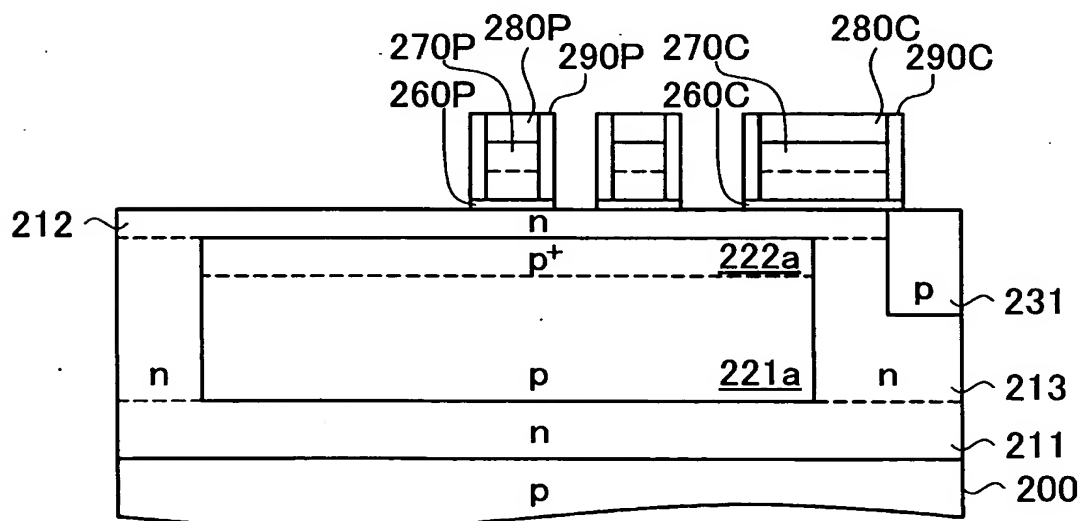


FIG. 11C

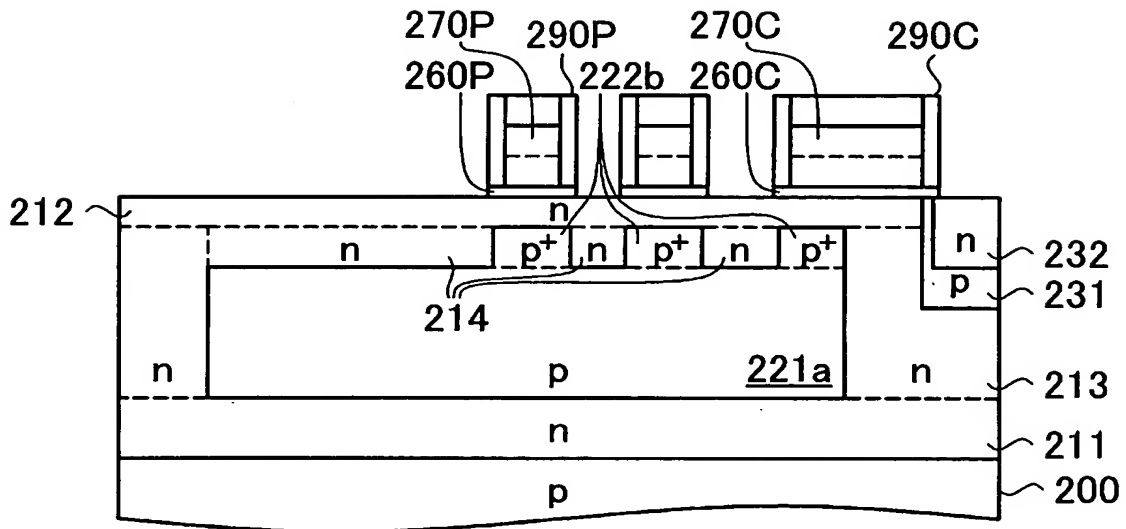


FIG.12A

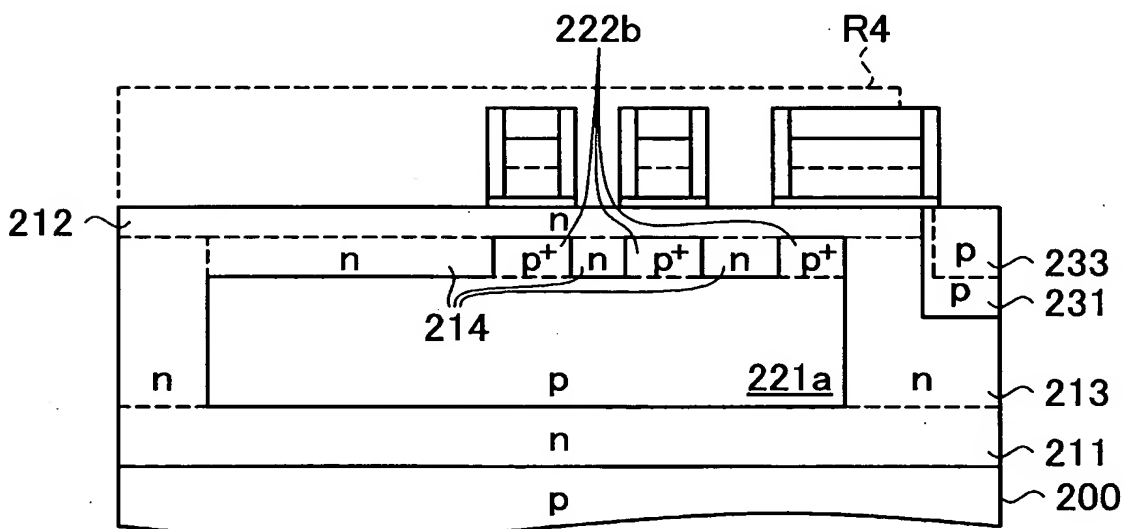


FIG.12B

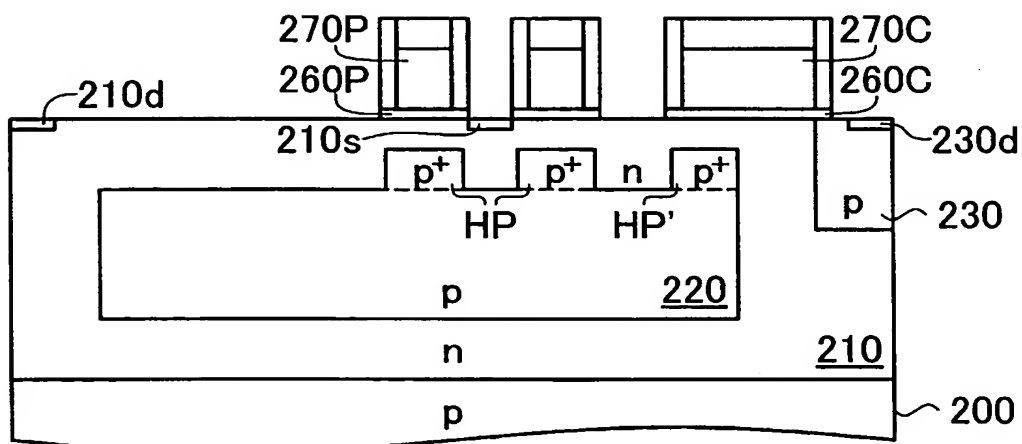


FIG.12C

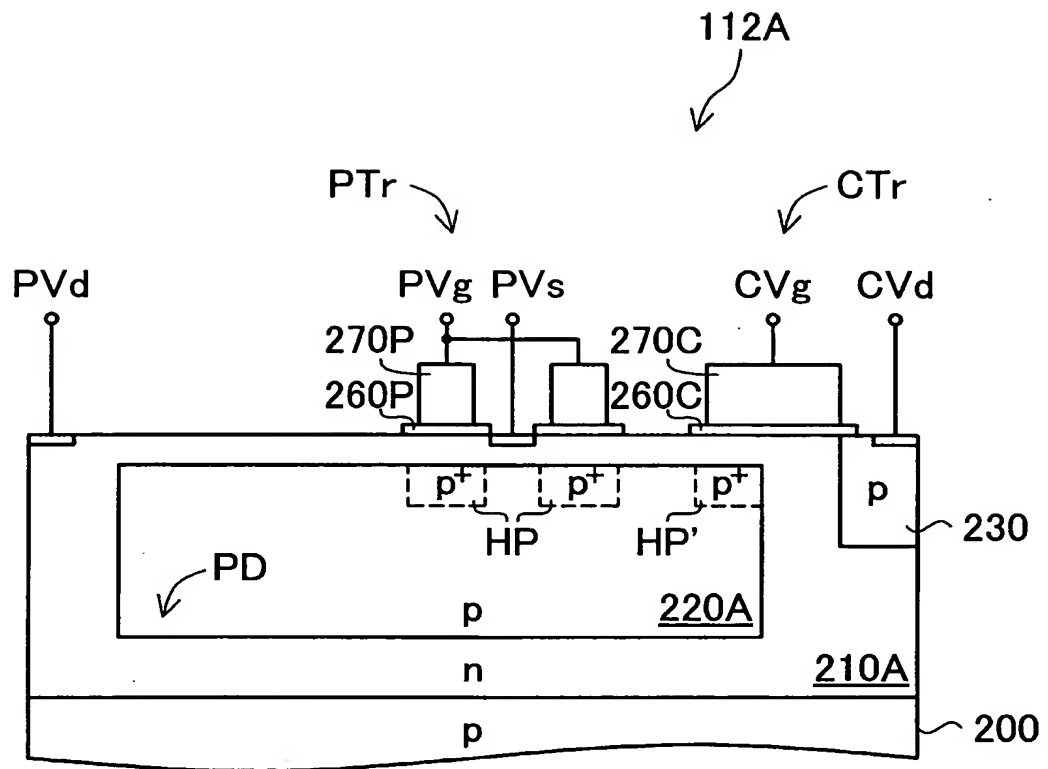


FIG.13

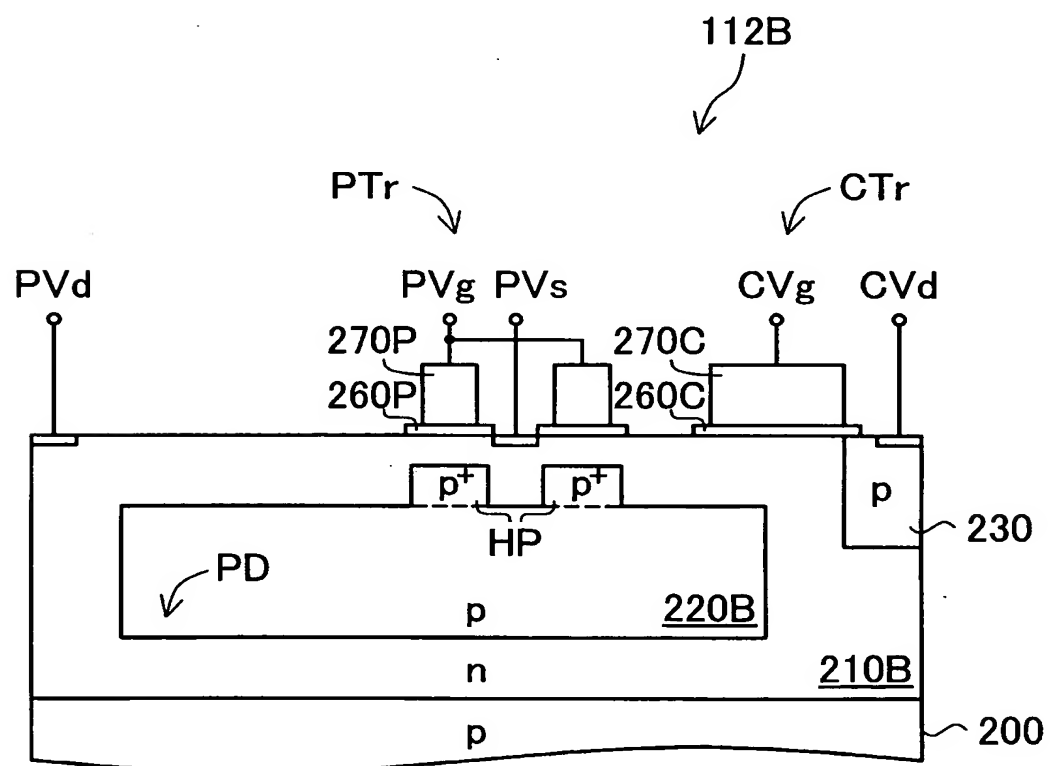


FIG.14